

Claims

1. A potato plant or part derived thereof having at least one *amf*-gene said potato plant or part further provided with an increased capacity to store a protein as characterized by a protein content of its tubers of at least 1.9% m/m,
2. A potato plant or part according to claim 1 characterized by a protein content in said tubers of at least 2.3% m/m.
3. A potato according to claim 2 characterized by a protein content in said tubers of at least 2.7% m/m.
4. A potato according to anyone of claims 1 to 3 characterized in that it is an amylose-free potato.
5. A potato according to anyone of claims 1 to 4 characterized in that its tubers essentially show a coagulating protein versus starch ratio of at least 45 kg/ton.
6. A potato according to claim 5 showing a coagulating protein versus starch ratio of at least 90 kg/ton.
7. A potato according to anyone of claims 1 to 6 characterized in that it is a transgenic potato.
8. A potato according to claim 7 comprising a heterologous protein.
9. A potato according to claim 8 wherein said heterologous protein comprises a protein listed in table 4.
10. A method for breeding and selecting a potato comprising crossing a first parent potato with at least one *amf*-gene with a second parent potato without an *amf*-gene and selecting progeny by testing it for the presence of at least one *amf*-gene and testing it for protein content and selecting progeny with at least one *amf*-gene with a protein content higher than detected in said first parent or said second parent.
11. A method according to claim 10 further comprising testing for protein content by determining protein content of its tubers or root caps.
12. A method according to claims 10 or 11 further comprising selecting progeny homozygous for the *amf*-gene
13. A potato plant or part derived thereof selected with a method according to anyone of claims 10 or 12.
14. Use of a potato plant or part derived thereof having at least one *amf*-allele in a breeding and selection programme directed at providing potatoes with an increased protein content.